

APPENDIX

Changes to Claims:

Claims 1, 3-5, 7, 9-11 are cancelled.

The following are marked-up versions of the amended claims:

2. (Amended) A three-dimensional image photographing apparatus ~~according to Claim 1, wherein the photographing direction control means has deflecting means which is provided between the object and the photographing means and which deflects light by selecting a direction for incident light for acquiring image information required for displaying a three-dimensional image of an object in a space, comprising:~~
a single photographing means for photographing the object to generate two-dimensional image information of the object;
and
photographing direction control means for sequentially changing the photographing direction of the photographing means, the photographing direction control means having deflecting means which is provided between the object and the photographing means and which selects a direction for incident light and deflects light such that the incident light exits in a predetermined direction.

6. (Amended) A three-dimensional image photographing apparatus ~~according to Claim 1, wherein the photographing direction control means sets a photographing direction that is~~

~~different for each pixel of the two-dimensional image information and sequentially changes the photographing direction for each pixel for acquiring image information required for displaying a three-dimensional image of an object in a space, comprising:~~

~~_____ a single photographing means for photographing the object to generate two-dimensional image information of the object; and~~

~~_____ photographing direction control means for sequentially changing a photographing direction of the photographing means, the photographing direction control means setting a photographing direction that is different for each pixel of the two-dimensional image information and sequentially changing the photographing direction for each pixel.~~

8. (Amended) A method for photographing a three-dimensional image according to Claim 7, wherein the ~~photographing direction controlling step deflects light by selecting a direction for incident light between the object and the photographing means, thereby changing the photographing direction for acquiring image information required for displaying a three-dimensional image of an object in a space, comprising:~~

~~_____ a photographing step for photographing the object with a single photographing means to generate two-dimensional image~~

information of the object; and

a photographing direction control step for selecting a direction for incident light and deflecting light such that the incident light exits in a predetermined direction between the object and the photographing means, thereby sequentially changing the photographing direction at the photographing step.

12. (Amended) A method for photographing a three-dimensional image ~~according to Claim 7, wherein the photographing direction controlling step sets a photographing direction that is different for each pixel of the two-dimensional image information and sequentially changes the photographing direction for each pixel for acquiring image information required for displaying a three-dimensional image of an object in a space, the method including:~~

a single photographing step for photographing the object to generate two-dimensional image information of the object; and

a photographing direction controlling step for sequentially changing a photographing direction of the photographing means by setting a photographing direction that is different for each pixel of the two-dimensional image information and sequentially changing the photographing direction for each pixel.